

CLAIMS:

1. A scrolling colour projection system comprising
a lamp (4) with a pulsed drive current (20), and
a colour scanner (6, 8a, 8b, 8c, 9) for generating a light beam (5b) with a
plurality of scrolling colour fields,
5 said light beam being arranged to illuminate a display device (3) to produce a
projection of an image generated by the display device,
characterized in that a filtering element (31; 41) is arranged in the light path
between the lamp and the projected image, the transmission of said filtering element (31; 41)
being synchronized with the lamp current so as to cancel an intensity peak in the lamp flux.
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2. A scrolling colour projection system as claimed in claim 1, further comprising
a synchronization unit (33; 43) for synchronizing said filtering element (31; 41) with the
lamp (4).
- 15 3. A scrolling colour projection system as claimed in claim 1, comprising a
projecting lens (11) for projecting said image, wherein said filtering element is arranged
behind said projecting lens (11).
4. A scrolling colour projection system as claimed in claim 1 or 2, wherein said
20 filtering element precedes said colour scanner (6, 8a, 8b, 8c, 9).
5. A scrolling colour projection system as claimed in claims 1 to 3, wherein said
filtering element is a liquid crystal (LC) cell (31).
- 25 6. A scrolling colour projection system as claimed in claims 1 to 3, wherein said
filtering element is a rotating disc (41) having a field (42) with reduced transmission.
7. A scrolling colour projection system as claimed in claim 6, said disc (41)
being transparent except for at least one sector-shaped field (42).